CLAIMS

1. A polyamide resin composition comprising:

a polyamide resin (component A),

glass (component C), and

optionally a styrene polymer (component B1) and a modified polyphenylene ether (component B2), the component B1 having a deflection temperature under load of 140 to 280°C,

the total amount of the components A, B1, and B2 and the amount of the component C being, respectively, 40 to 95% by weight and 60 to 5% by weight, based on 100% by weight of the polyamide resin composition,

the amount of the component A and the total amount of the components B1 and B2 being, respectively, 50 to 100% by weight and 50 to 0% by weight, based on 100% by weight of the whole of the components A, B1, and B2 ,

wherein when the component C contains glass containing no boron oxide (component C1), the amount of the component C1 is 60 to 5% by weight, based on 100% by weight of the polyamide resin composition, and

wherein when the component C does not contain the component C1, the component A is a polyoxamide resin, or the amount of the component A and the total amount of the components B1 and B2 are, respectively, 50 to 90% by weight and 50 to 10% by weight, based on 100% by weight of the whole of the components A, B1, and B2.

2. The polyamide resin composition according to claim 1, wherein the amount of the component B1 and the amount of the component B2 are, respectively, 5 to 90% by weight and 95 to 10% by weight, based on 100% by weight of the whole of the components B1 and B2.

3. The polyamide resin composition according to claim 1 or 2, wherein the component A is at least one polyamide resin selected from the group consisting of polyamide 6, polyamide 66, and polyamide 92.

4. The polyamide resin composition according to any one of claims 1 to 3, wherein the component A is a polyoxamide resin.

5. The polyamide resin composition according to any one of claims 1 to 4,

wherein the component C is the component C1.

6. The polyamide resin composition according to any one of claims 1 to 5, wherein the component B1 is a styrene polymer having a syndiotactic structure.

7. The polyamide resin composition according to any one of claims 1 to 6, which is for use in a part for exhaust gas passing therethrough by an EGR system.

8. A molded article comprising the polyamide resin composition according to claim 7, which is for use in a part for exhaust gas passing therethrough by an EGR system.

9. A part for exhaust gas passing therethrough by an EGR system, the part comprising the molded article according to claim 8, which comprises the polyamide resin composition for use in a part for exhaust gas passing therethrough by an EGR system.

10. The part according to claim 9, which is for use in an automobile.

11. The part according to claim 9 or 10, which is for use in an engine room.

12. A method for producing a part for exhaust gas passing therethrough by an EGR system, the method comprising shaping the polyamide resin composition according to any one of claims 1 to 6.

13. A method for producing an automobile, comprising incorporating a part for exhaust gas passing therethrough by an EGR system, which is obtained by the method according to claim 12.

CLAIMS

1. A polyamide resin composition comprising:
a polyamide resin (component A), and
glass (component C),
the amount of the components A and the amount of the component C being, respectively, 40 to 95% by weight and 60 to 5% by weight, based on 100% by weight of the polyamide resin composition,
wherein the component A is at least one polyamide resin selected from the group consisting of polyamide 6, and polyamide 66, and
wherein the component C is glass containing no boron oxide (component C1), and the amount of the component C1 is 60 to 5% by weight, based on 100% by weight of the polyamide resin composition

2. The polyamide resin composition according to claim 1, which is for use in a part for exhaust gas passing therethrough by an EGR system.

3. A molded article comprising the polyamide resin composition according to claim 2, which is for use in a part for exhaust gas passing therethrough by an EGR system.

4. A part for exhaust gas passing therethrough by an EGR system, the part comprising the molded article according to claim 3, which comprises the polyamide resin composition for use in a part for exhaust gas passing therethrough by an EGR system.

5. The part according to claim 4, which is for use in an automobile.

6. The part according to claim 4 or 5, which is for use in an engine room.

7. A method for producing a part for exhaust gas passing therethrough by an EGR system, the method comprising shaping the polyamide resin composition according to claim 1.

8. A method for producing an automobile, comprising incorporating a part for exhaust gas passing therethrough by an EGR system, which is obtained by the method according to claim 7.